

iSwitch 265K

Zero-Configuration 4K AV over IP w/ Video Wall & Visual Control

User Manual V1.1

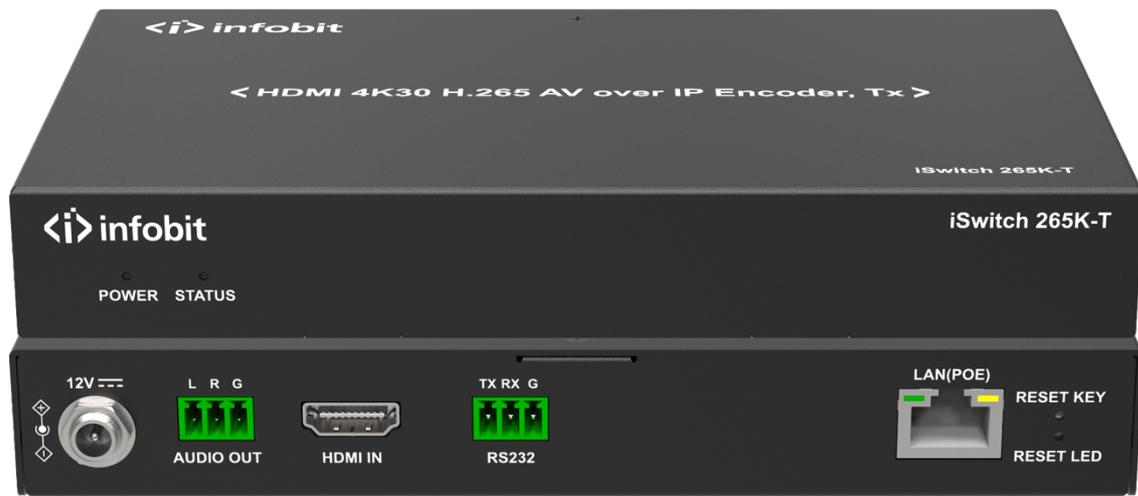


Table of Contents

1. Overview	3
2. Features	4
3. Package Contents	4
4. Application	5
4.1 One-to-One Extension.....	5
4.2 One-to-Many splitter	5
4.3 Many-to-Many Matrix/ Videowall.....	5
5. Panel	7
5.1 iSwitch 265K-T	7
5.2 iSwitch 265K-R	7
6. Specification	8
7. FAQ	9
8. Warranty	9



1. Overview

The iSwitch 265K is an AV over IP system (encoder and decoder) adopting the latest compression technology. It supports resolutions up to 3840x2160p@30Hz and can be controlled by VDirector App (IOS/Android/Windows version), allowing users to easily build an IP matrix or a video wall through a tablet/cellphone/PC. With easy-to-use and plug-and-play features, the encoder (iSwitch 265K-T) that works with the decoder (iSwitch 265K-R) can be widely used in sports bars, conference rooms, digital signage, etc.

Zero-Configuration: The industry's first and only plug-n-play 4K AV over IP solution. Works flawlessly with universal Ethernet switches; no need to configure IGMP. Set up within minutes, just plug and play. Easier than ever to build a distributed 4K IP matrix with video wall, ideal for sports bar, house of worship, retail, etc. Whether you are an installer or end-user, you can effortlessly complete installation, even if you were not exposed to any IP knowledge before.

Note: You must use a PoE Ethernet switch if you want to supply power to the iSwitch 265K-T or iSwitch 265K-R. A gigabit switch is recommended.

Long-Distance Extension: One pair of encoder/decoder can extend 4K ultra-HD HDMI signal up to 394ft/120m. Transmits farther than common HDBaseT extenders.

Multi-Functional IP Solution: Supports the advanced HDMI audio extraction, PoE, RS232 pass-through, fast seamless switching, etc.

Plug & Play: Works flawlessly with a universal Ethernet switch; no need to configure IGMP for many-to-many applications. Quite friendly to installers and end-users.

Visual Control: Install the "VDirector" App on your smartphone, tablet or Windows PC for effortless visual control. Easily manage all codecs at the same time.

Video Wall: Build a distributed 4K IP matrix system with a video wall up to 8x8, ideal for sports bar, house of worship, shopping mall, etc.

Easy Visual Control on Your Palms: With the visualized and user-friendly VDirector App, you can perform the settings below:

- Preview all sources and preset different scenarios;
- Switch any source to any or all displays;
- Drag-and-drop to perform matrix switching;
- Create/Delete a video wall up to 8x8 within 15 seconds;
- Enable CEC function to turn on/off all connected displays;
- Adjust the volume of each connected display device;
- Rotate the first row of the images within a video wall by 180 degree;
- Divide all decoders into different groups.



Note: The last three features are recently added, only available on the iOS version at present. The new Android version supporting these 3 features are expected to be released this May.

More Scalable and Flexible than Traditional Matrix: The iSwitch 265K AV over IP solution supports one-to-one application, so only one pair of encoder and decoder can work together to transmit maximum 4K@30hz ultra-HD HDMI signal up to 394ft/120m. You can also more units of encoders or decoders to form a distributed IP matrix, which is far more flexible and cost-effective than traditional matrixes.

Note: The iSwitch 265K is more cost-efficient when you need irregular matrix switching like 3x7 and 5x9, or when you need to build a matrix larger than 8x8.

2. Features

- Works easily with an Ethernet switch, no configuration is required.
- Plug and play.
- Supports visual control through a tablet/cellphone/PC.
- Supports high-efficiency video codec.
- Easy to build an IP matrix or a video wall easily.
- Independent RS232 routing.

3. Package Contents

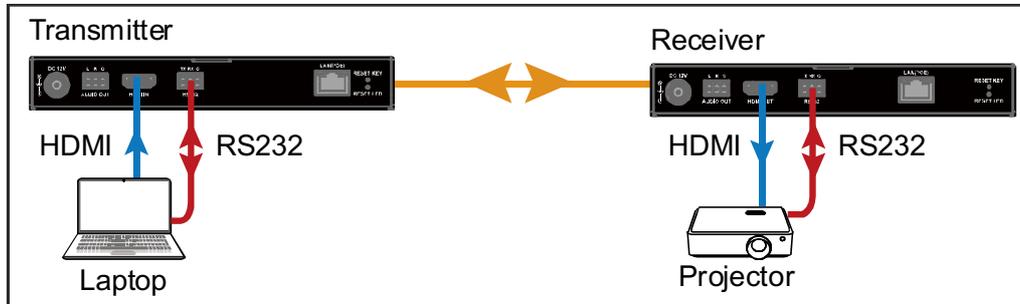
Before you start the installation of the product, please check the package.

Contents:

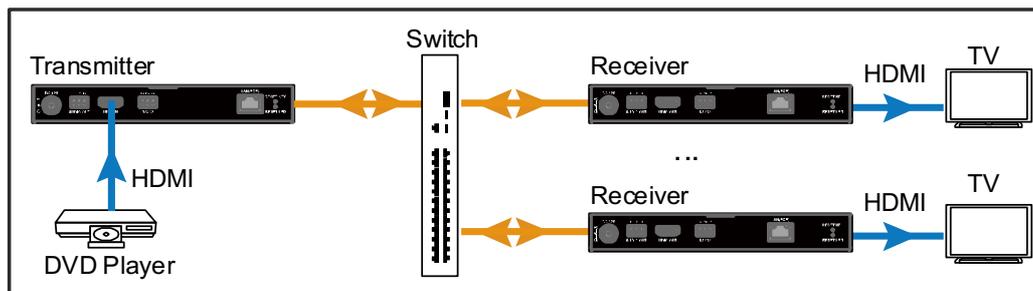
- Encoder (iSwitch 265K-T) or Decoder (iSwitch 265K-R) x1
- Power Adapter (DC 12V 1A) x1
- Phoenix Male Connectors (3.5 mm, 3 Pins) x2
- Mounting Brackets (with Screws) x2
- User Manual x1

4. Application

4.1 One-to-One Extension



4.2 One-to-Many splitter



4.3 Many-to-Many Matrix/ Videowall

To configure matrix and video wall, perform the following:
Scan the QR code or search "VDirector" in App store to install VDirector using your phone or tablet PC.

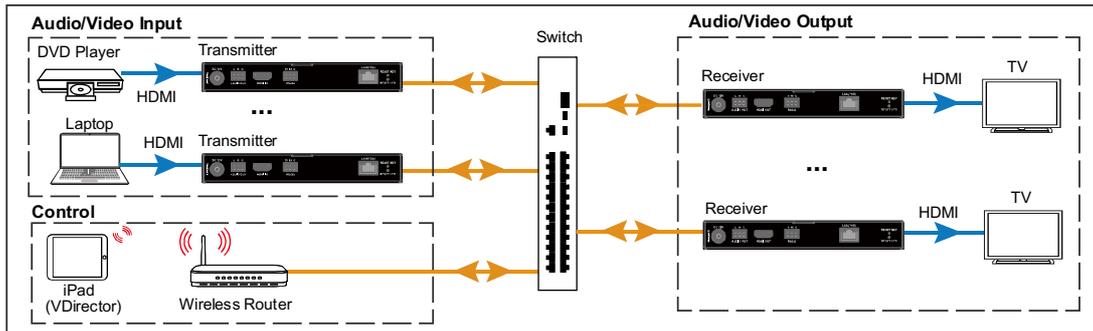


iOS Apple Store

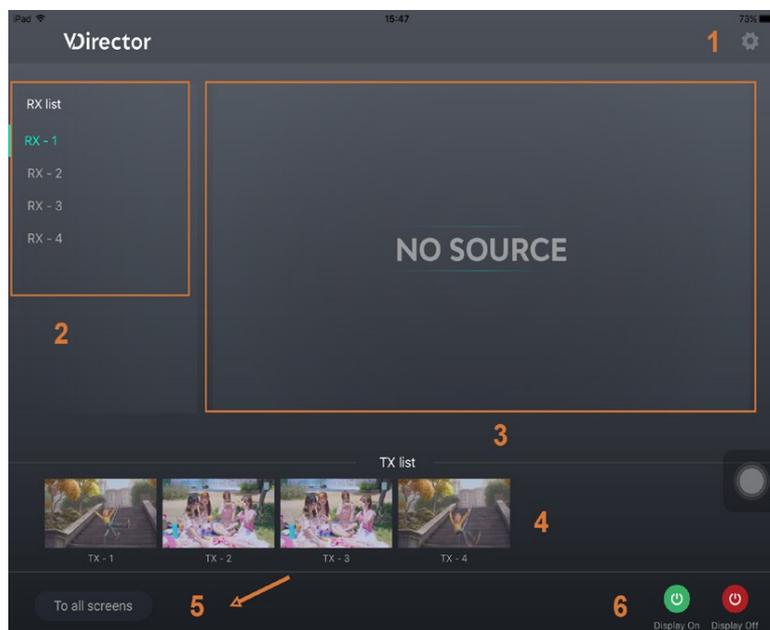


Google Play

Connect all transmitters, receivers and the wireless router to the network switch according to the following diagram shown:



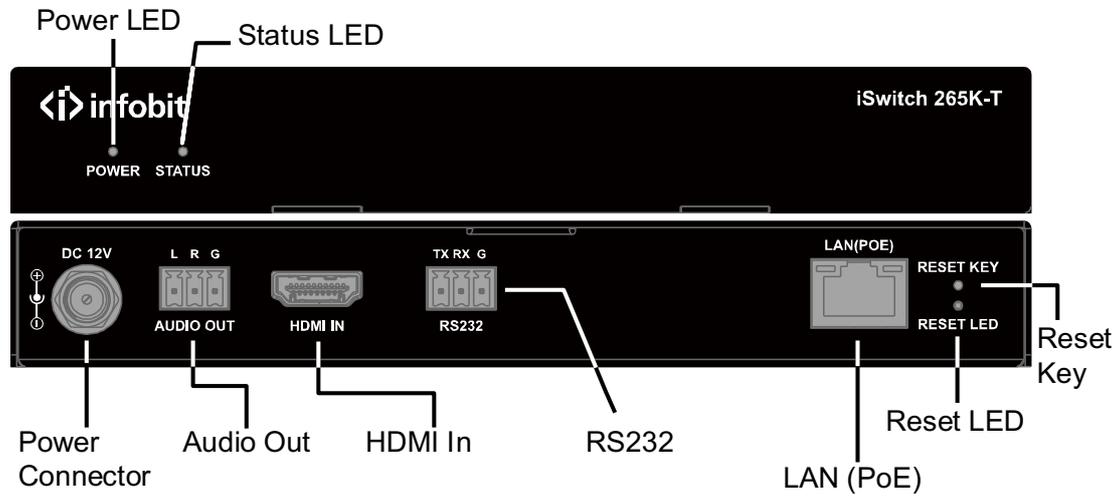
Configure the wireless router properly, and then connect your phone/tablet to the Wi-Fi network. Then launch VDirector, VDirector starts searching for online devices, and the following main screen appears:



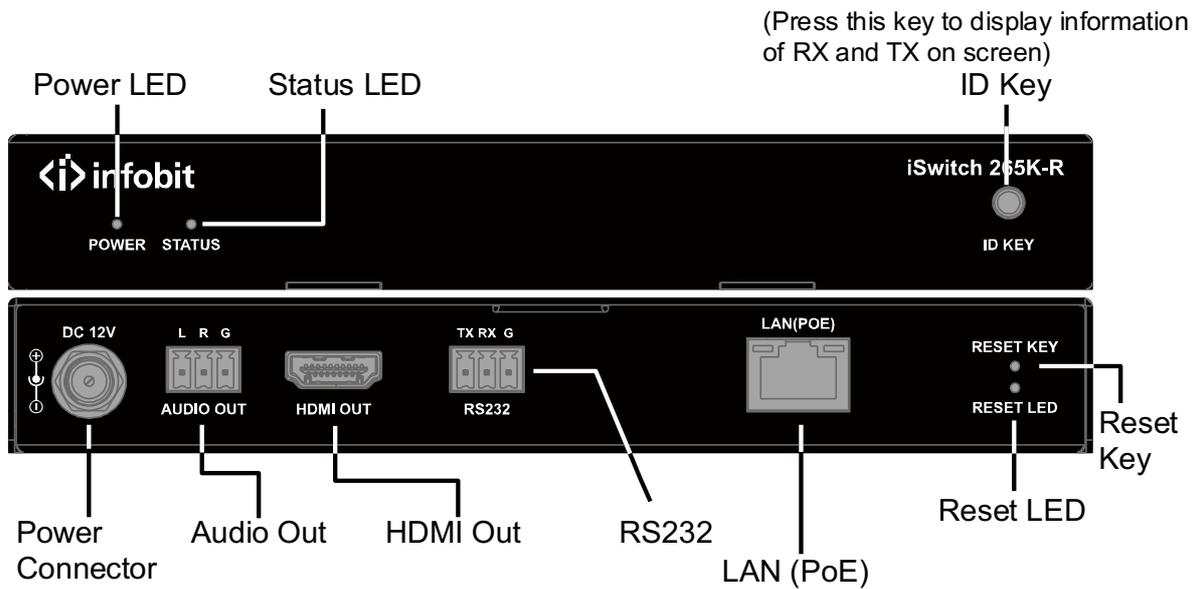
#	Name	Description
1	System Configuration Button	Click this button to enter system configuration page for the functions: 1) Naming and Sequencing; 2) Video Wall Settings; 3) Advanced Settings; 4) System Information.
2	RX List	Displays the list of online RX devices, including single device and devices for video walls.
3	RX Preview	Shows the live preview of current RX assignments.
4	TX List	Shows the IP stream's live preview from TX device.
5	To All Screens	Drag a TX from TX list over this button means the switching of this TX to all RX devices in RX list, including video walls.
6	Display On/Off	Display On: Turn on all RXs' displays. Display Off: Set all RXs' displays to standby state.

5. Panel

5.1 iSwitch 265K-T



5.2 iSwitch 265K-R



6. Specification

Model	iSwitch 265K
Name	Zero-Configuration 4K AV over IP w/ Video Wall & Visual Control
Video (iSwitch 265K-T)	
Input Port	1 x HDMI
Input Resolutions	Up to 3840x2160p@30Hz
Output Port	1 x LAN
Output Resolutions	Up to 3840x2160p@30Hz
Video Protocol	H.264/H.265
Video (iSwitch 265K-R)	
Input Port	1 x LAN
Input Resolutions	Up to 3840x2160p@30Hz
Output Port	1 x HDMI
Output Resolutions	Up to 3840x2160p@30Hz
Video Protocol	H.264/H.265
Audio Format	MPEG4-AAC Stereo
Audio (iSwitch 265K-T)	
Input Port	1 x HDMI
Output Port	1 x LAN, 1 x Audio Out
Audio (iSwitch 265K-R)	
Input Port	1 x LAN
Output Port	1 x HDMI, 1 x Audio Out
Audio Format	MPEG4-AAC Stereo
Control	
Control Method	VDirector App (IOS/Android/Windows Version)
General	
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C) 10% ~ 90%, non-condensing
Storage Temperature	4°F ~ 158°F (-20°C ~ 70°C) 10% ~ 90%, non-condensing
Power Supply	DC12V 1A / PoE
Power Consumption (Max)	DC 12V: 3.6W PoE: 4.3W
ESD Protection	Human body model: ±8kV (air-gap discharge)/±4kV (contact discharge)
Product Dimensions	175mm x 25mm x 100.2mm / 6.9" x 0.98" x 3.9" (W x H x D)
Net Weight	0.60kg/1.32lbs



7. FAQ

(1) Do the network switch and the wireless router require specific settings?

The network switch doesn't require specific settings. You need to enable DHCP server on the wireless router and ensure the IP addresses in the pool don't start with "169.254".

(2) Why can't the VDirector find online devices?

Ensure the network switch's broadcasting function is not disabled specifically.

(3) Do the transmitter and receiver support RS232 routing?

Yes. RS232 and audio routing will always follow video routing.

(4) Is it available to configure video wall in the One-to-Many application?

Yes.

(5) What about the networking size?

One iSwitch 265K-T (Transmitter/ Encoder) can be displayed by up to 50x iSwitch 265K-R (Receiver/ Decoder) at the same time.

Note: As the number of the watching receivers increases, the end-to-end latency increases accordingly.

(6) May I change the matched transmitter for a receiver without using VDirector app?

Yes. The matched transmitter will change by simply holding on the ID key in the front panel of a receiver for 2 seconds.

8. Warranty

Products are backed by a limited 2-year parts and labor warranty. For the following cases INFOBIT AV shall charge for the service(s) claimed for the product if the product is still remediable and the warranty card becomes unenforceable or inapplicable.

1. The original serial number (specified by INFOBIT) labeled on the product has been removed, erased, replaced, defaced or is illegible.

2. The warranty has expired.

3. The defects are caused by the fact that the product is repaired, dismantled or altered by anyone that is not from an AV Access authorized service partner. The defects are caused by the fact that the product is used or handled improperly, roughly or not as instructed in the applicable User Guide.

4. The defects are caused by any force majeure including but not limited to accidents, fire, earthquake, lightning, tsunami and war.



5. The service, configuration and gifts promised by salesman only but not covered by normal contract.

6. INFOBIT AV preserves the right for interpretation of these cases above and to make changes to them at any time without notice.

Thank you for choosing products from INFOBIT AV.

If you have any question, please contact us via the following emails: info@infobitav.com